HP LINE

Fog Machine

High Performance
Fog Machine

HP LINE
USER MANUAL

Please read these instructions carefully before use

Innovation,Quality,Performance

Introduction

Thank you for choosing the HP Line High Performance Professional Fog Machine. You now own a rugged and powerful state-of-the-art machine. Prior to use, we suggest that you carefully read all of the instructions. By following the suggestions found in this user manual, you can look forward to the reliable and satisfactory performance from your HP Line Fog Machine for years to come.

Please follow these operation, safety, and Maintenance instructions to ensure a long and safe life for your fog machine.

Caution

Pay attention to all warning labels and instructions printed on the exterior of your HP Line Fog Machine.

Danger of Electric Shock

- Keep this device dry
- For inside use only. Not designed for outside use.
- For the 110V models, use 3-prong grounded electrical outlet only. Prior to use, be careful that the unit is installed at the rated voltage.
- Always unplug your HP Line Fog Machine before filling its tank.
- Keep fog machine upright.
- Turn off or unplug when not in use.
- This machine is not water- or splash-proof. If moisture, water, or fog liquid gets inside the housing, immediately unplug the unit and contact a service technician or your dealer before using it again.
- No user serviceable parts inside. Refer to your HP Line dealer or other qualified service personnel.

Danger of Burns

- For adult use only. Fog machine must be installed out of the reach of children. Never leave the unit running unattended.
- Keep nozzle at least 50 cm (20 in.) away from contact with anything while in operation.
- The fog vapour at point of release is under pressure and is extremely hot.
- Never aim the output nozzle directly at people.
- Fog machine output is very hot. Avoid coming within 50 cm of the output nozzle during operation.
- Locate the fog machine in a well-ventilated area. Never cover the unit's vents. In order to guarantee adequate ventilation, allow a free air space of at least 20 cm around the sides and top of the unit.
- Never aim the output nozzle at open flames.
- The output nozzle becomes very hot during operation (300 degree C). Keep flammable materials at least 50 cm away from the nozzle.
- Always allow your HP Line Fog Machine to cool down before attempting to clean or service it.

Danger of Explosion

- Never add flammable liquids of any kind (oil, gas, perfume) to the fog liquid.
- Use only the high quality, water-based fog liquid that your dealer recommends. Other fog liquids may cause poor effect fog, clogging and spitting of unevaporated liquid.
- Always make sure there is sufficient liquid in the fog liquid tank. Operating this unit without liquid will cause damage to the pump and the heater.
- If your HP Line Fog Machine fails to work properly, stop using immediately. Drain all fog liquid from the tank, pack the unit securely (preferably in the original packing material) and return it to your dealer for service.
- Always drain tank before shipping or otherwise forwarding this unit.
- Never drink fog liquid. If it is ingested, call a doctor immediately. If fog liquid comes in contact with skin or eyes, rinse thoroughly with water.

Unpacking and Inspection

Open the shipping carton and check that all equipment necessary to operate the system has arrived intact.
Refer to the " Specification" section for information for what items are included with your model. If any equipment is missing, contact your HP Line Fog Machine dealer immediately.

- Before beginning initial setup of your HP Line Fog Machine, make sure that there is no evident damage caused by transportation.
- In case the unit's housing or cable is damaged, do not plug it in and do not attempt to use it until contacting your HP Line Fog machine dealer for assistance.

Setup

- Remove all packing materials from fog machine. Check that all foam and plastic padding is removed, especially in the nozzle area.
- Fill with HP Line fog liquid or other high quality water-based fog liquid. Any other types of fluid can damage the unit. When filled, place cap back on liquid tank firmly.
- Firmly attach the remote control cable to the proper input on the rear of the machine.

If your model includes a mounting bracket designed for overhead installation, it may be installed at floor level or suspended overhead. If the unit is to be mounted using the bracket, it is important that the fog does not shoot directly at any one's face. Whatever installation method you choose, do not allow the unit to have more than a 15 degree angle of inclination.

HP-1 & HP-3
Operation

- Plug power cord into a grounded electrical outlet. If necessary, turn power switch on rear of unit to "ON" position. When warm-up is complete, the green lamp lights up on remote unit.
- To emit fog, press the button on the remote and hold for the desired length of time.
- The remote unit's lamp will cycle on and off as the machine re-heats to the proper operating temperature.
- For further information on operating your HP Line Fog Machine, see the section titled "Remote Control Operation".

Remote Control Operation

- HPC-1W: 3 meter wire remote controller with IEC Connector for HP Line Fog machine model HP-1.
- VR-1T: 3 meter cable timer controller with 1/4 stereo plug model HP-3.
  When the remote is connected, the HP-3 can be controlled in two ways. The green button on the remote is a manual override and the dial on the remote control sets the timer function.The HP-3 will generate fogs for as long as the green buttonis held down.
  To enable the timer function, turn the dial clockwise. When the yellow light on the remote turns on, the timer is on. The duration of Fog is set at 3 seconds and is not adjustable. The interval between Fog is adjustable between 5 - 200 seconds. To increase the interval, rotate the dial clockwise. To decrease the interval, rotate the dial counter-clockwise.

HP-1S & HP-2S
Operation

- Plug the remote control cord into the slot marked remote control on the back of the Stage Hazer. Plug the power cord into a grounded electrical outlet.
- Turn on the power switch located on the back of the Stage Hazer.
- The red light on the remote control will turn on once the machine is plugged into a power outlet and the on/off switch is turned on.
- Once the red light comes on the machine must warm up. This period varies with conditions but should not take more than 10 minutes under any circumstances.
- The green light on the remote control will turn on once the machine is ready to produce haze. When the green light turns on, the machine can be operated using the remote control.

- The Stage Hazer is controlled by the remote control. Please refer to the section titled "Remote Control Operation" for detailed instruction on the various functions available.
- Prior to the green light turning on the machine will not haze and the functions will not respond.
- The Stage Hazer is equipped with a low fluid sensor. When the fluid is low the light will turn red. When the light is red, add fluid to the Hazer immediately.
- When the Hazer does not have any liquid in the machine the PC board will shut off the pump so that the machine will not be damaged. The pump will remain off until fluid is added to the machine.

Remote Control Operation

- VR-1T : 3-meter wired multi-function remote controller with 5-pin Connector for HP Line Stage Hazer model HP-2S.
- The interval knob adjusts the time between discharges when the timer function is engaged. The range is from 5 seconds ~ 200 seconds.
- The second knob, labeled volume, controls the volume of haze produced. The range is form 0% ~ 100% of maximum output.
- The yellow Timer button controls the timer function. Press the button to activate. When activated the yellow light will turn on. Adjusting the interval knob will determine the time between the haze output (5 ~ 200 seconds). The duration of output is set at 14 seconds. The volume can be adjusted using the volume knob to control the amount of haze produced.
- The red CONTINUOUS button sets the machine to constant haze production. To activate this function, press the red button. The volume knob can be used to regulate the volume of the steady stream of haze produced.
- The green MANUAL button will produce a continuo us blast at maximum volume while the button is held down. When released, the manual function stops and the machine will return to the previous setting; timer, continuous, or stationary.
- Note: the continuous function will override the Timer function. Therefore, if both buttons have been pressed the Hazer will haze continuously. The manual function overrides all functions. When pressed and held down the Hazer will haze at maximum volume for as long as the button is held down, regardless of the machine's setting at the time.

HP-4D

Operation

- Plug power cord into a grounded electrical outlet. If necessary, turn power switch on the rear of the unit to " ON " position.
- To emit fog, press the appropriate button on the remote and hold for the desired length of time.

Fog Liquid for Stage Hazer

The Stage Hazer operates on regular fog liquid. The machine has been designed to produce exceptional haze using HP Line Hazer liquids. Use only HP Line Hazer liquids or other dealer recommended liquid. Failure to use high quality Hazer liquid can damage the machine.

HP-5D

Operation

- Plug power cord into a grounded electrical outlet. If necessary, turn power switch on the rear of the unit to "ON" position.
- To emit fog, press the appropriate button on the remote and hold for the desired length of time.
- The remote unit's lamp will cycle on and off as the machine re-heats to the proper operating temperature.

- For further information on operating your HP Line Fog Machine, see the section "Remote Control Operation" below.

Z-8

Remote Control Operation

The Z-8 is a 10 meter wired multi-function remote controller with 5-pin XLR connector for HP-5D. Its three knobs allow the operator to customize fog machine functions by adjusting fogging duration, interval and volume.

Press the yellow TIMERS button to activate the timer function. Adjust the interval between each fog emission (within the range of 10 seconds to 5 minutes) by means of the INTERVAL control knob. Adjust the duration of each fog emission (within the range of 1 to 10 seconds) by means of the DURATION control knob. When pressed, the green MANUAL button overrides all other function controls, and activates maximum output.

Press the red CONTINUOUS button for continuous output. Adjust output volume with the OUTPUT knob.

Operation

- Firmly attach the remote control's XLR connector to the XLR socket on the rear of the machine.
- Plug fog machine power cord into a grounded electrical outlet. Turn power switch on rear of unit to "ON" position.
- Wait for fog machine to warm-up.
  Plug fog machine power cord into a grounded
- To activate fog machine, press the appropriate button on the remote control.

All specifications subject to change without notice.

Specification / Model		*HP-1*	*HP-1S*	*HP-2S*	*HP-3*	*HP-4D*	*HP-5D*
Heater:		*700W*	*700W*	*700W*	*1000W*	*1500W*	*1200W*
Fuse (amp) 125V		*7A*	*7A*	*7A*	*10A*	*10A*	*13A*
250V		*3.15A*	*3.15A*	*3.15A*	*5A*	*5A*	*7A*
Warming Up Time (min)		*4.0*	*4.0*	*4.0*	*4.5*	*10*	*10*
Fog Output (cuft / min)		*2500*	*1500*	*2000*	*5000*	*18000*	*18000*
Tank Capacity (litre)		*0.8*	*0.8*	*1.3*	*1.3*	*2.5*	*6*
Dim. (mm) Length		*330*	*526*	*526*	*385*	*600*	*560*
Width		*160*	*207*	*207*	*180*	*280*	*255*
Height		*130*	*173*	*173*	*150*	*290*	*178*
Weight (kgs)		*4.5*	*4.8*	*11*	*6*	*11*	*12.5*
Hanging Bracket		*YES*			*YES*	*YES*	*YES*
Remote Control Attached		*HPC-1W*		*VR-1T*	*VR-1T*	*VR-1T*	*Z-8*
Options :							
Radio Remote	*HPC-1R*	*VR-1*	*VR-1W*	*VR-1W*	*VR-1W*	*Z-9*	
10M Extension Cable	*EXT-2*	*EXT-5*	*EXT-5*	*EXT-5*	*EXT-3*	*EXT-3*	
Fog Tube Adaptor	*FTA-1*		*FTA-1*			*FTA-2*	
10M Fog Tube FT-10	*YES*		*YES*			*YES*	
Series Connection						*YES*	*YES*
Liquid Supplier FLS-20						*YES*	*YES*
DMX ADAPTER	*DMX-300*	*DMX-3F*	*DMX ON BOARD*	*DMX ON BOARD*			
PowerInput For All Model: AC 120V 60HZ or AC 230V 50HZ							